

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121618\
 Data File : BG038645.D
 Acq On : 16 Dec 2018 18:04
 Operator : JU/SJ
 Sample : J6391-14
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 17 05:51:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

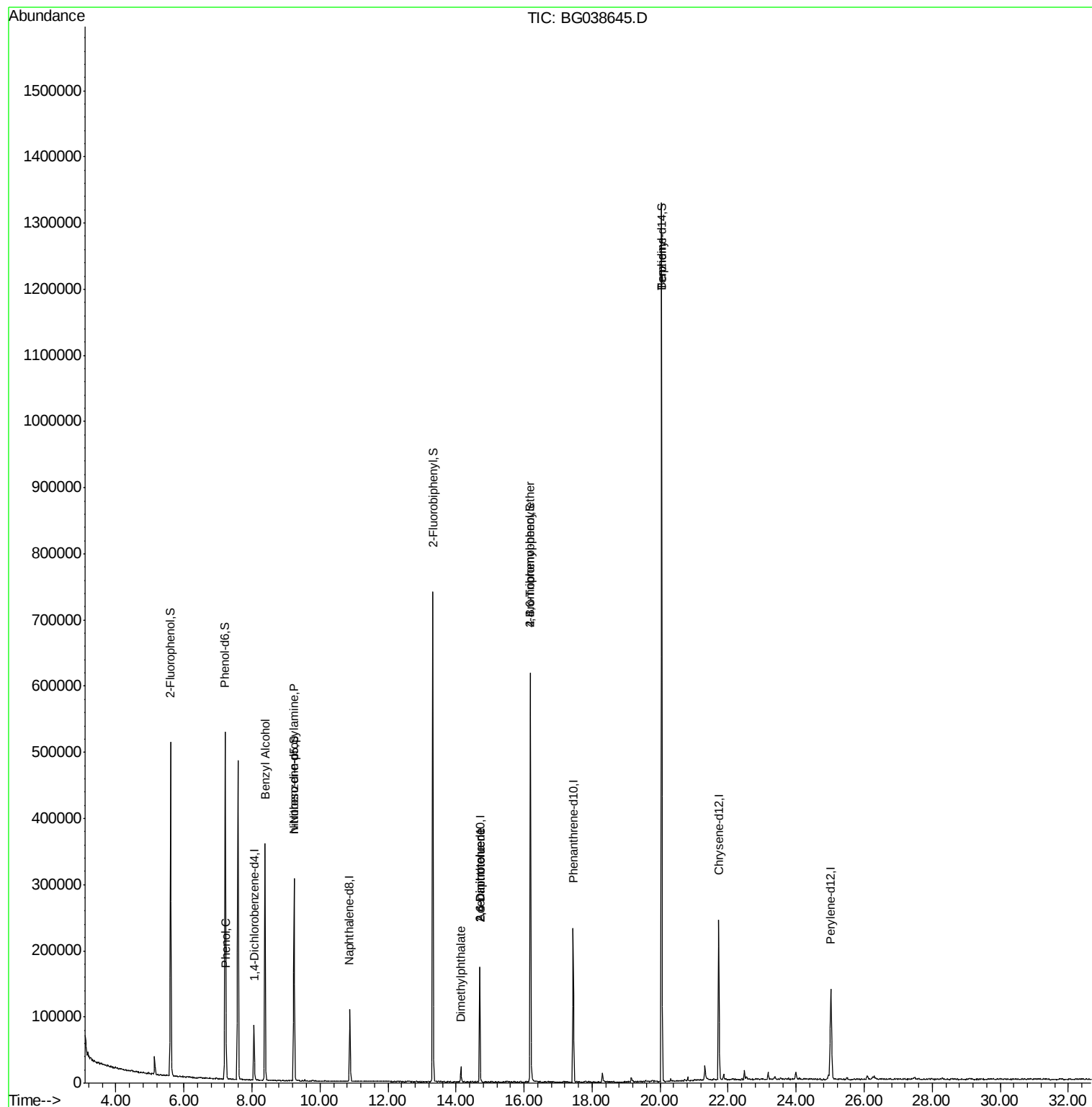
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	23483	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	99226	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	64786	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	153379	20.00	ng	0.00
76) Chrysene-d12	21.72	240	156851	20.00	ng	0.00
87) Perylene-d12	25.02	264	166032	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	207907	157.03	ng	0.00
7) Phenol-d6	7.21	99	282143	155.23	ng	0.00
23) Nitrobenzene-d5	9.24	82	186634	96.09	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	123448	138.26	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	405151	85.79	ng	0.00
79) Terphenyl-d14	20.05	244	648744	90.01	ng	0.00
Target Compounds						
10) Phenol	7.24	94	15239	7.892	ng	97
15) Benzyl Alcohol	8.38	79	2898	2.043	ng	# 56
19) n-Nitroso-di-n-propylamine	9.24	70	25378	19.880	ng	# 68
50) Dimethylphthalate	14.15	163	18581	3.512	ng	96
51) 2,6-Dinitrotoluene	14.69	165	8467	7.062	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	8467	5.014	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	8061	4.303	ng	# 1
77) Benzidine	20.05	184	12028	2.593	ng	# 94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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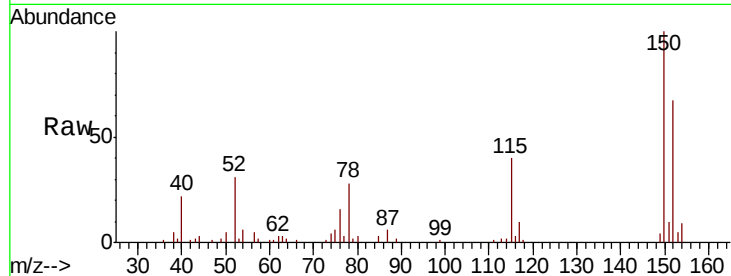


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038645.D
Acq: 16 Dec 2018 18:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.8	119.5	179.3
115	60.0	49.6	74.4

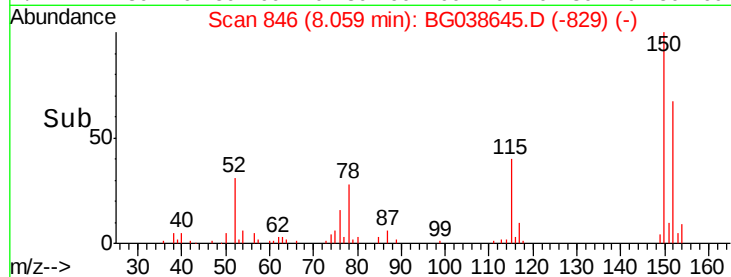
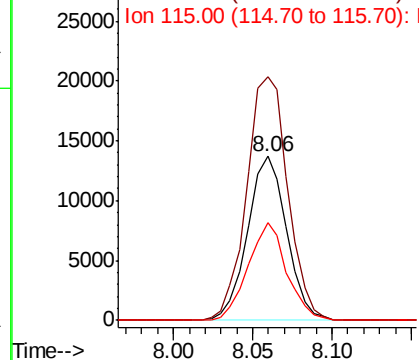


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

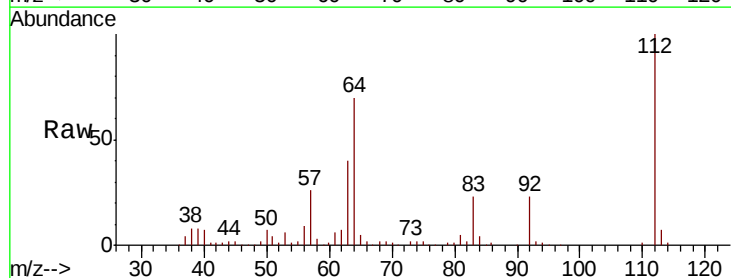
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 157.030 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038645.D
Acq: 16 Dec 2018 18:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.2	53.4	80.2
63	39.5	29.3	43.9

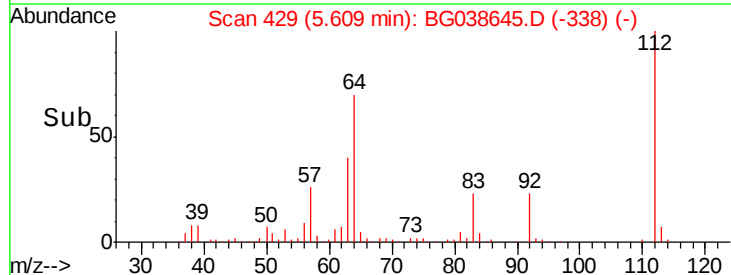
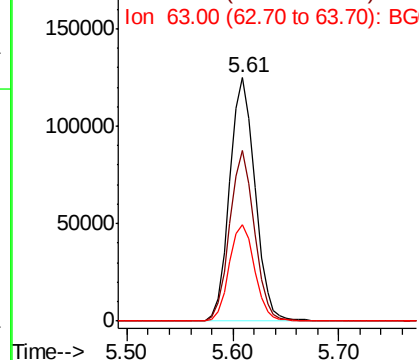


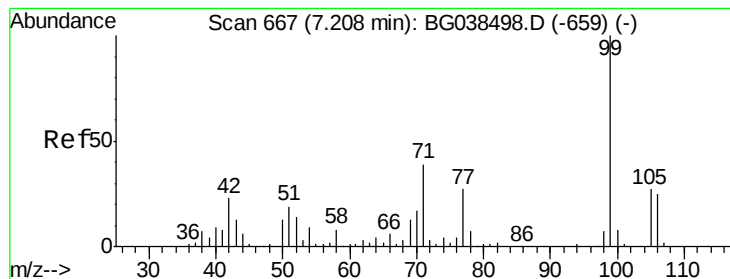
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 155.230 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038645.D

Acq: 16 Dec 2018 18:04

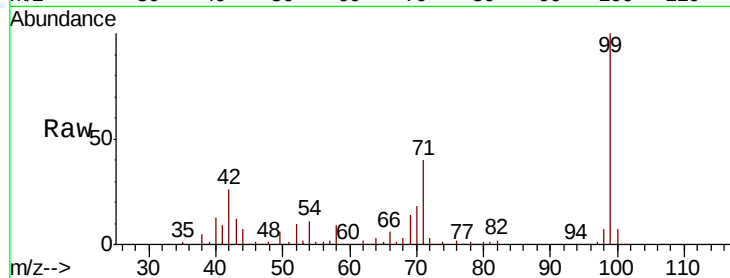
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 282143

Ion	Ratio	Lower	Upper
99	100		
42	25.6	18.5	27.7
71	40.4	31.1	46.7

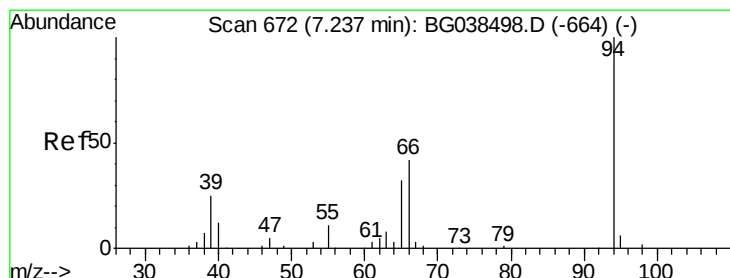
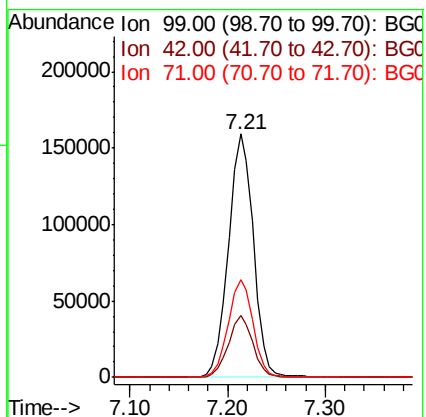
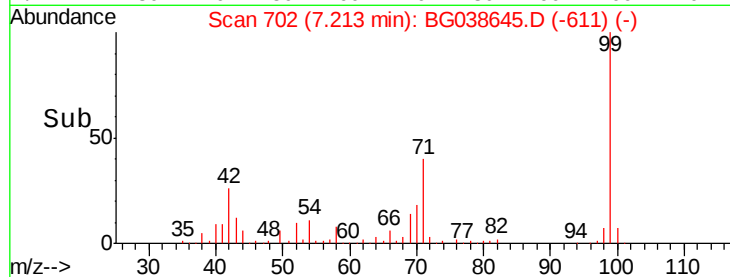


Abundance

Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 7.892 ng

RT: 7.24 min Scan# 707

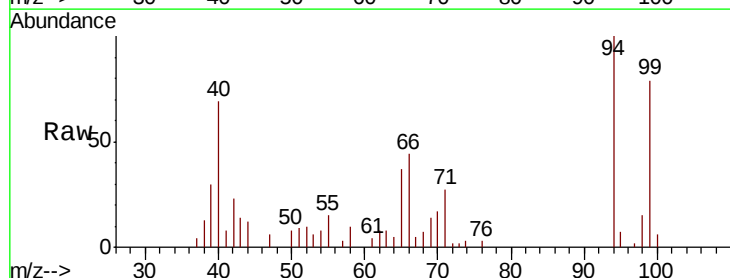
Delta R.T. 0.01 min

Lab File: BG038645.D

Acq: 16 Dec 2018 18:04

Tgt Ion: 94 Resp: 15239

Ion	Ratio	Lower	Upper
94	100		
65	36.6	12.6	52.6
66	44.5	24.1	64.1

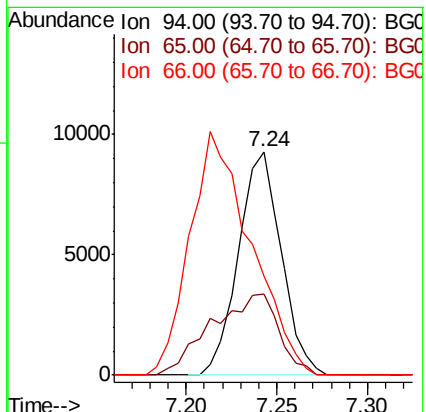
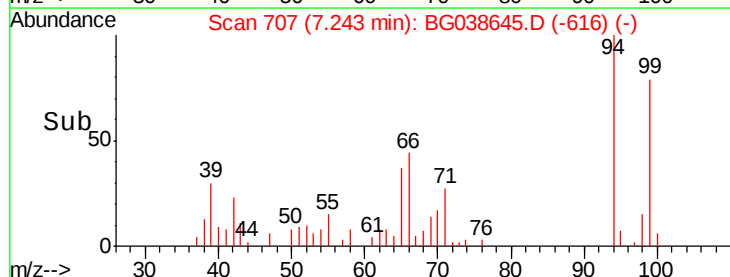


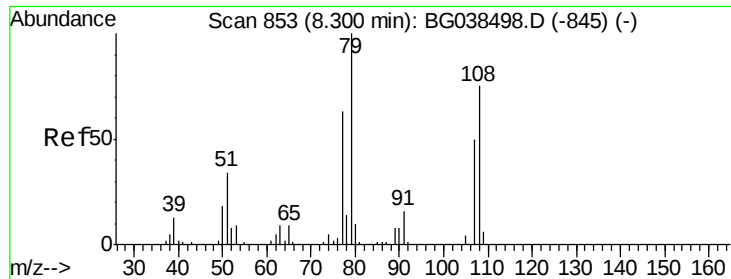
Abundance

Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 2.043 ng

RT: 8.38 min Scan# 900

Delta R.T. 0.08 min

Lab File: BG038645.D

Acq: 16 Dec 2018 18:04

Instrument :

BNA_G

ClientSampled :

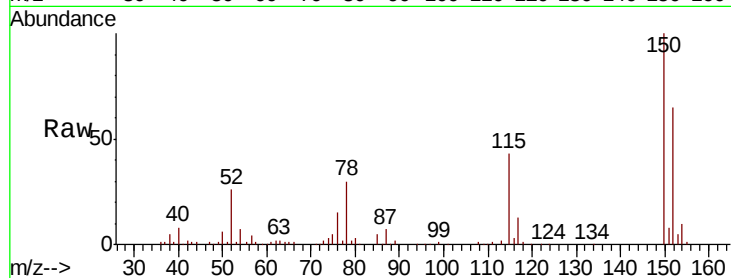
Tot Ion: 79 Resp: 2898

Ion Ratio Lower Upper

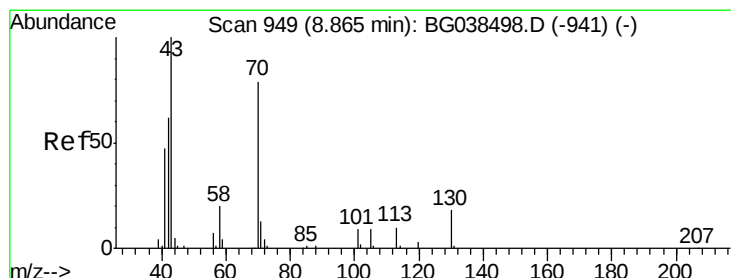
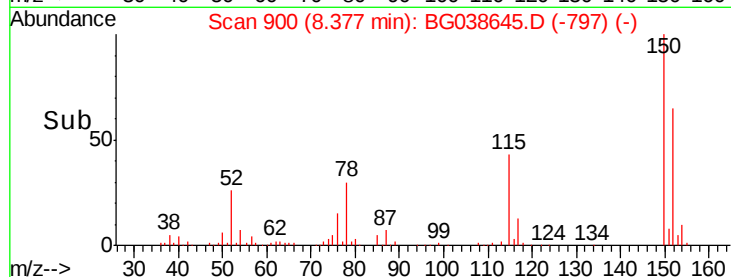
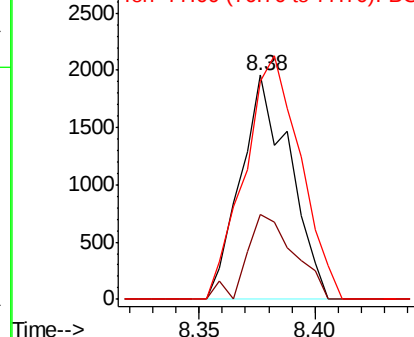
79 100

108 37.8 60.2 90.4#

77 97.6 50.7 76.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 19.880 ng

RT: 9.24 min Scan# 1047

Delta R.T. 0.38 min

Lab File: BG038645.D

Acq: 16 Dec 2018 18:04

Tgt Ion: 70 Resp: 25378

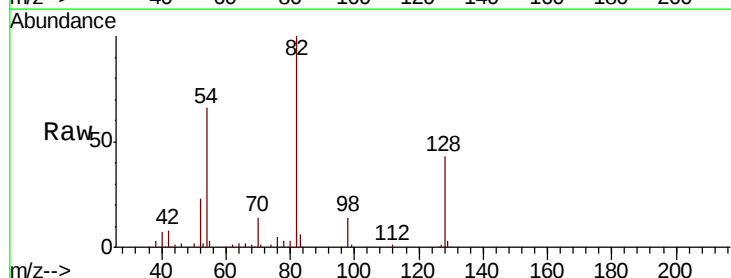
Ion Ratio Lower Upper

70 100

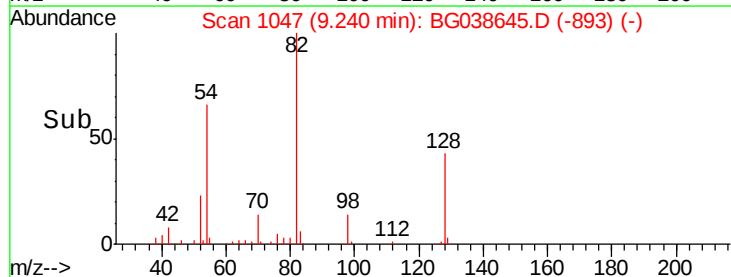
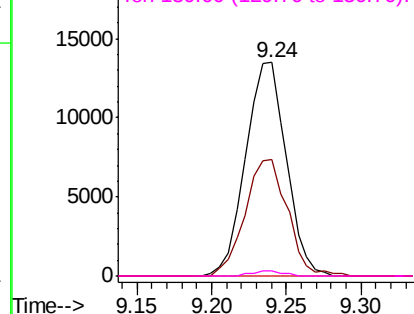
42 54.4 63.6 95.4#

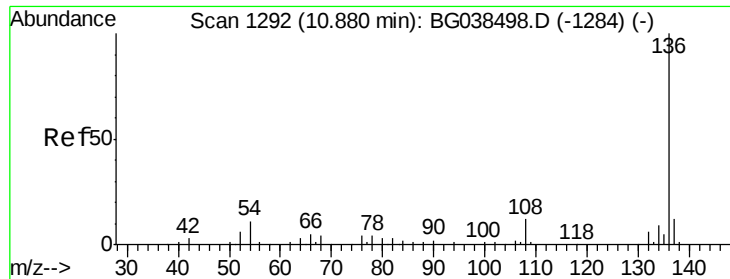
101 0.0 9.2 13.8#

130 2.2 18.5 27.7#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

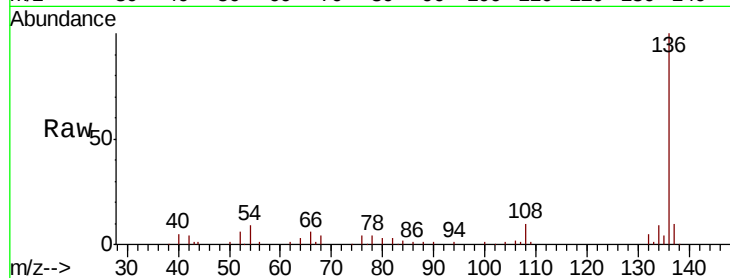




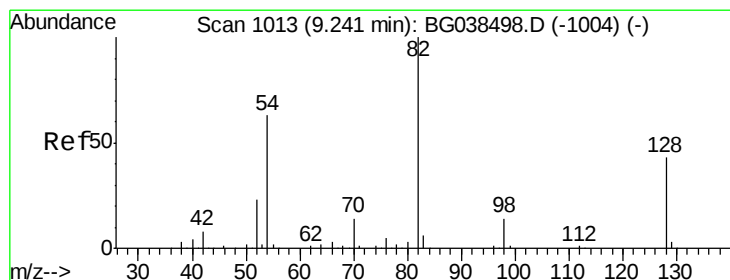
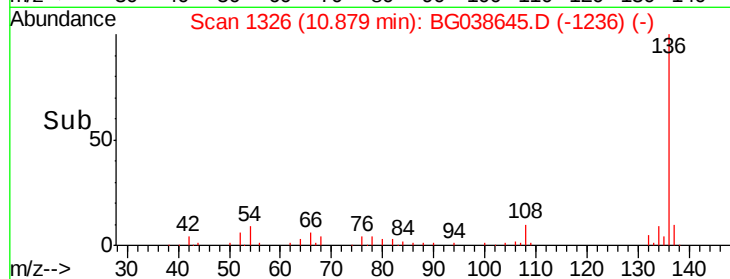
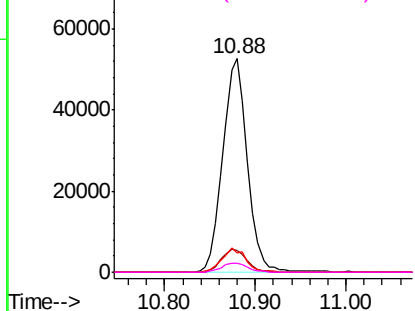
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038645.D
Acq: 16 Dec 2018 18:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	99226
Ion Ratio	Lower	Upper
136	100	
137	9.9	9.3 13.9
54	9.2	8.5 12.7
68	4.0	3.5 5.3

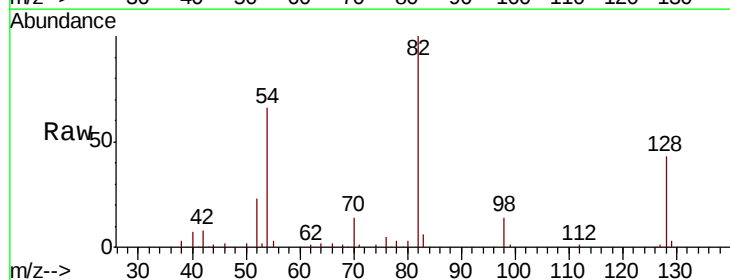


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

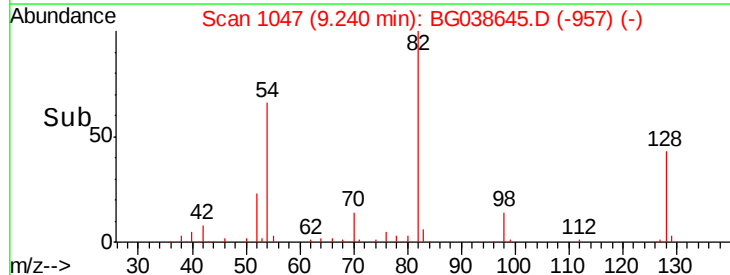
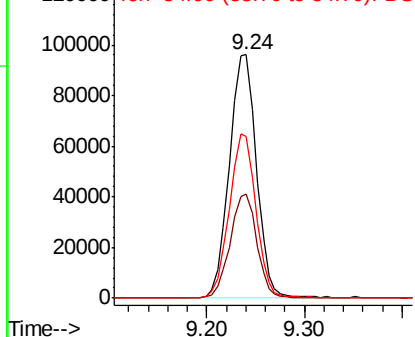


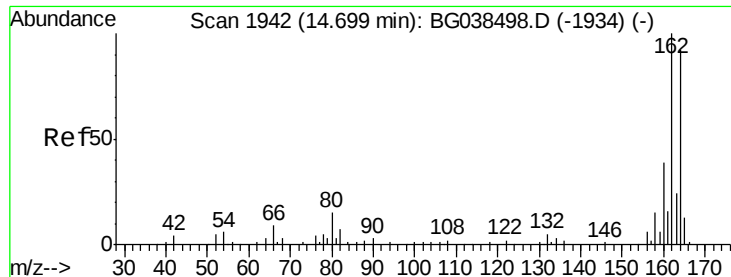
#23
Nitrobenzene-d5
Concen: 96.090 ng
RT: 9.24 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BG038645.D
Acq: 16 Dec 2018 18:04

Tgt Ion: 82	Resp:	186634
Ion Ratio	Lower	Upper
82	100	
128	42.6	34.6 52.0
54	66.3	50.6 76.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038645.D

Acq: 16 Dec 2018 18:04

Instrument :

BNA_G

ClientSampleId :

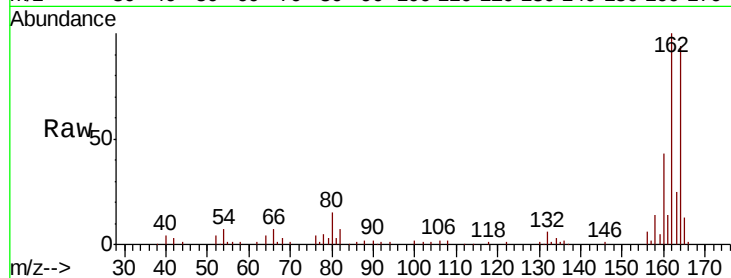
Tot Ion:164 Resp: 64786

Ion Ratio Lower Upper

164 100

162 106.6 86.6 130.0

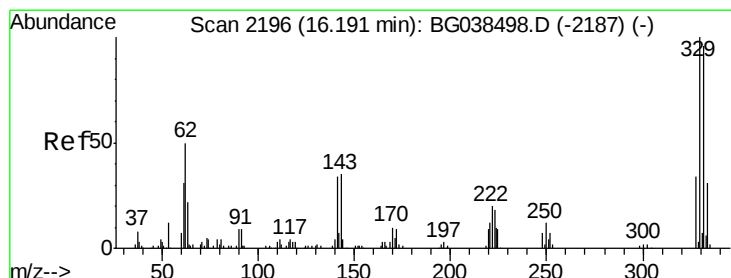
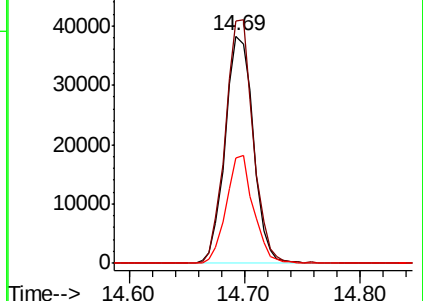
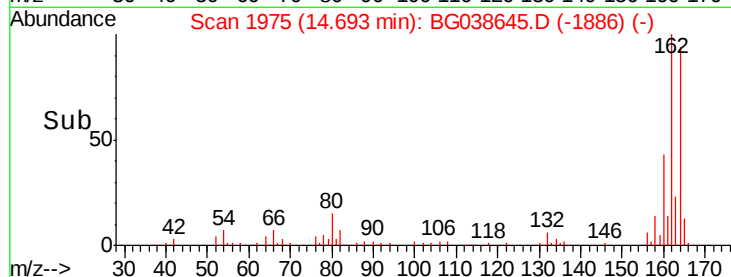
160 46.3 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 138.260 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038645.D

Acq: 16 Dec 2018 18:04

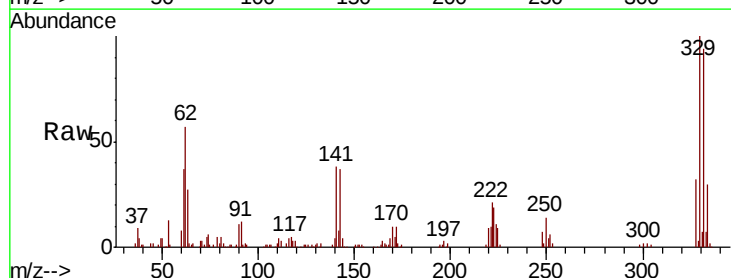
Tgt Ion:330 Resp: 123448

Ion Ratio Lower Upper

330 100

332 95.5 76.9 115.3

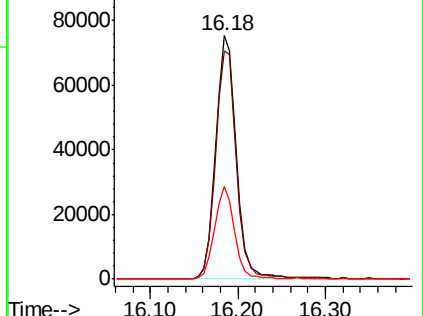
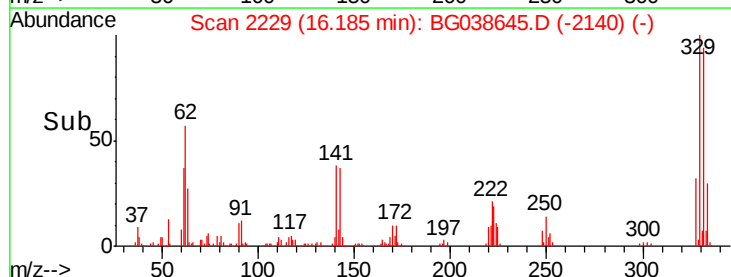
141 36.6 28.8 43.2

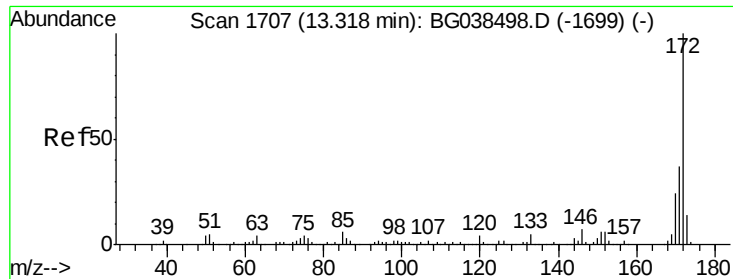


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

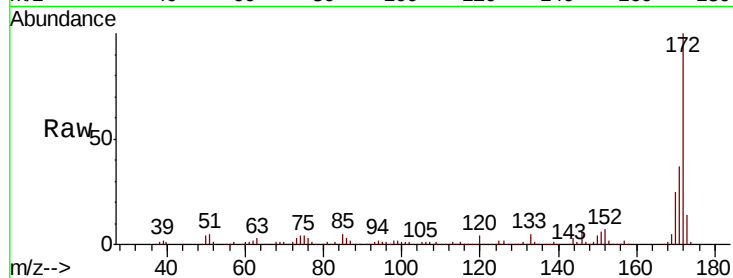




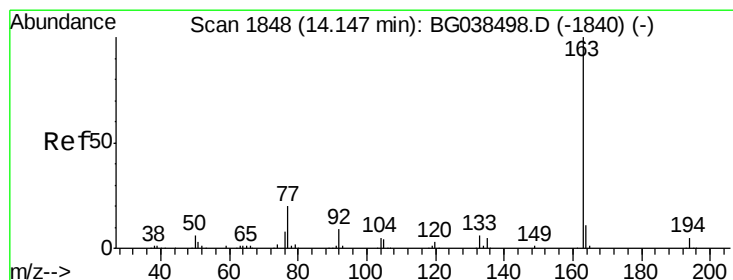
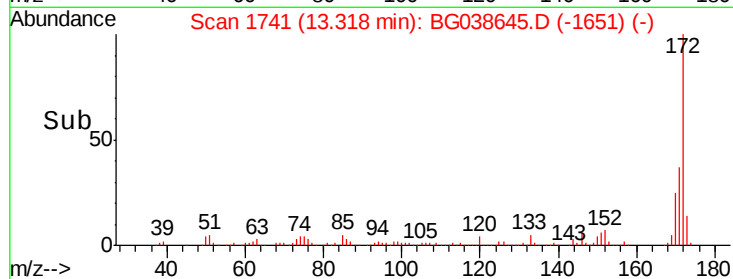
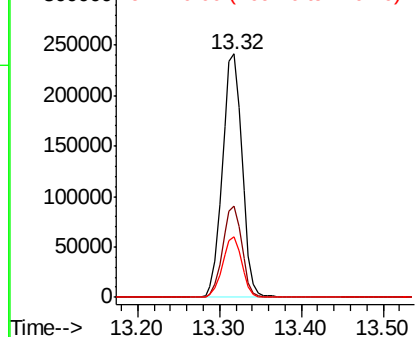
#45
2-Fluorobiphenyl
Concen: 85.791 ng
RT: 13.32 min Scan# 1741
Delta R.T. -0.00 min
Lab File: BG038645.D
Acq: 16 Dec 2018 18:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 405151
Ion Ratio Lower Upper
172 100
171 37.3 29.8 44.6
170 24.6 19.5 29.3

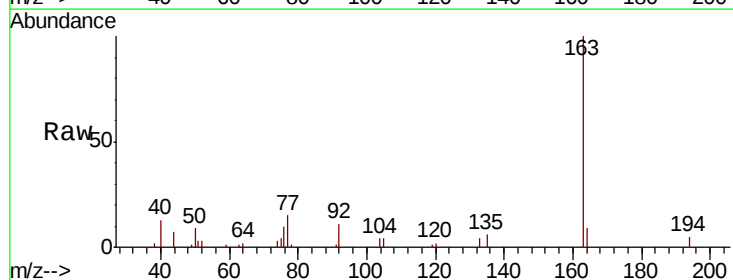


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

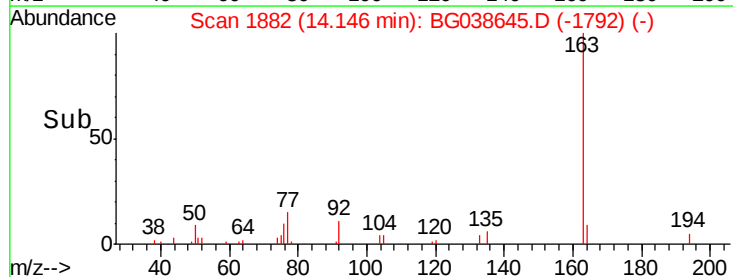
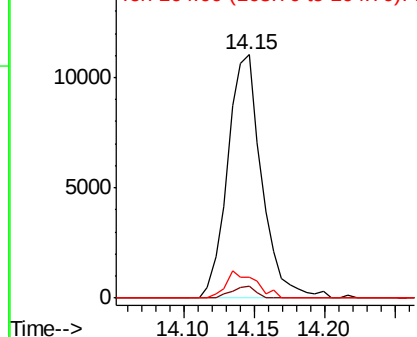


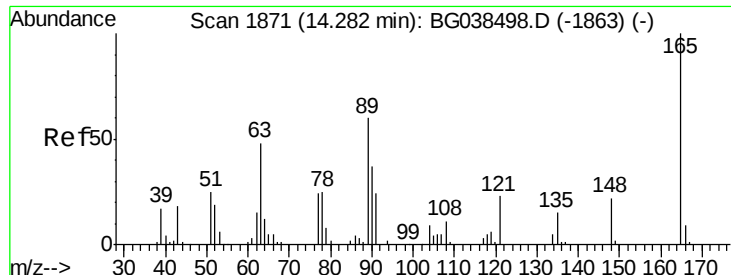
#50
Dimethylphthalate
Concen: 3.512 ng
RT: 14.15 min Scan# 1882
Delta R.T. -0.00 min
Lab File: BG038645.D
Acq: 16 Dec 2018 18:04

Tgt Ion:163 Resp: 18581
Ion Ratio Lower Upper
163 100
194 4.8 3.7 5.5
164 8.8 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

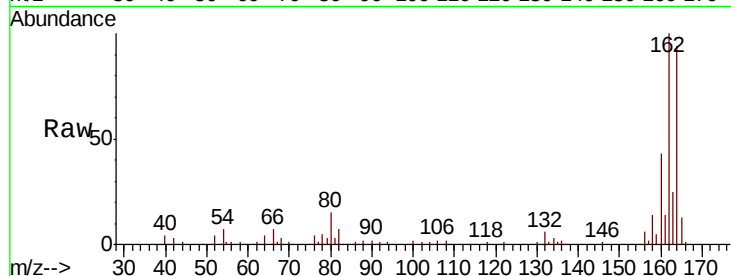




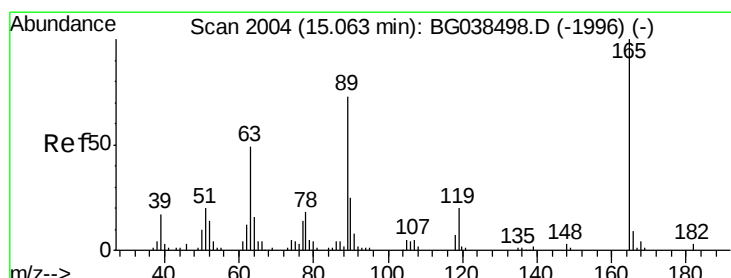
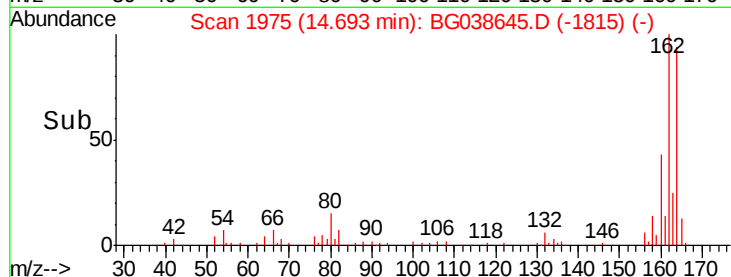
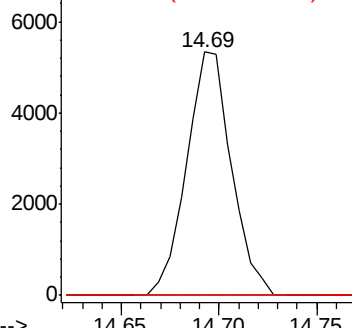
#51
2,6-Dinitrotoluene
Concen: 7.062 ng
RT: 14.69 min Scan# 1975
Delta R.T. 0.41 min
Lab File: BG038645.D
Acq: 16 Dec 2018 18:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	0.0	47.9	71.9#

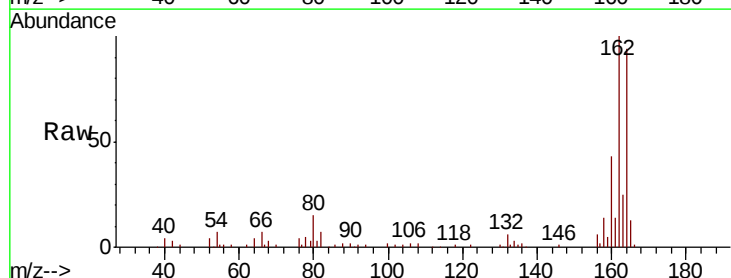


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

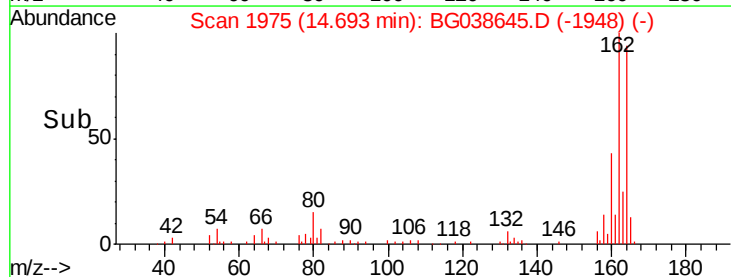
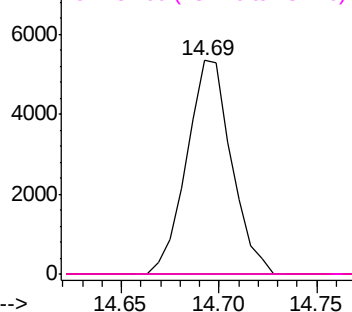


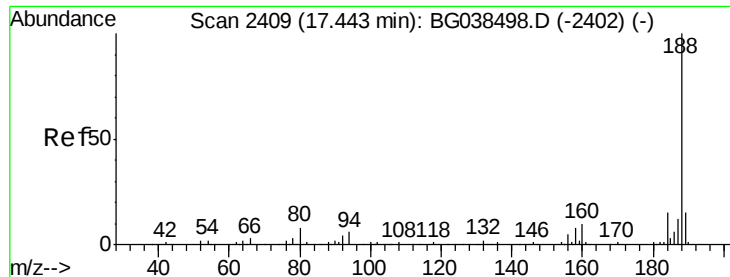
#57
2,4-Dinitrotoluene
Concen: 5.014 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.37 min
Lab File: BG038645.D
Acq: 16 Dec 2018 18:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	0.0	58.0	87.0#
182	0.0	2.3	3.5#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

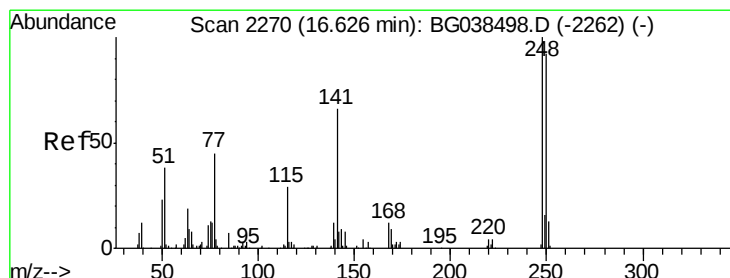
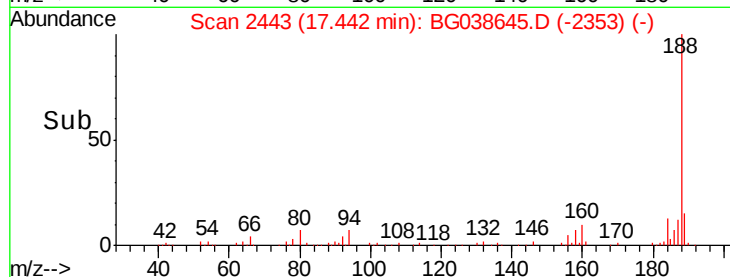
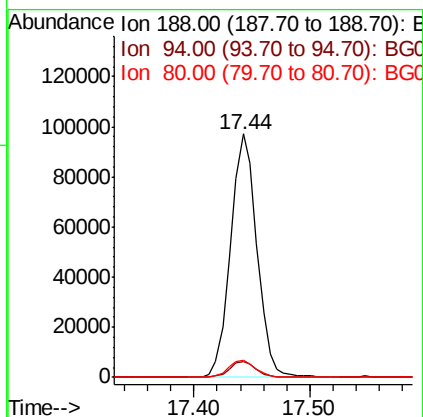
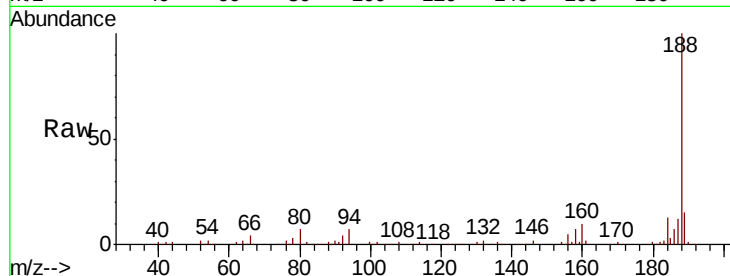




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038645.D
 Acq: 16 Dec 2018 18:04

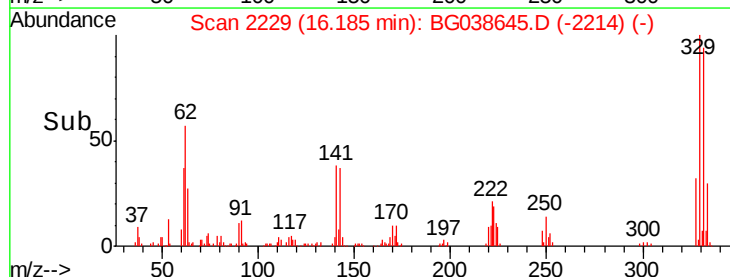
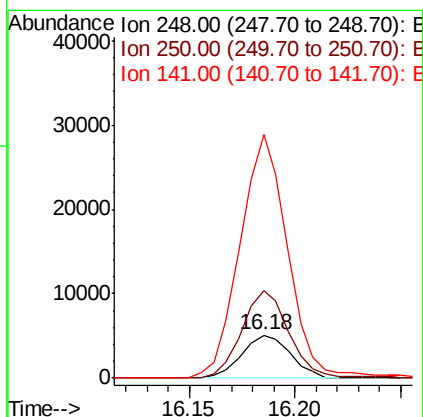
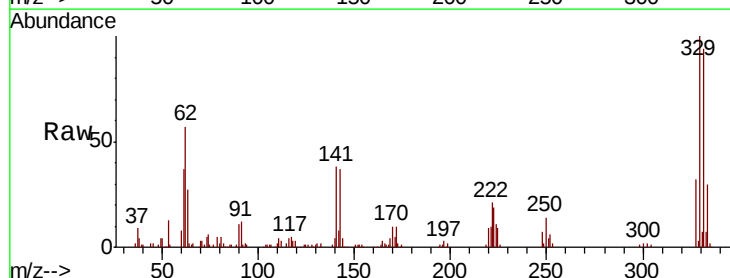
Instrument :
 BNA_G
 ClientSampleId :

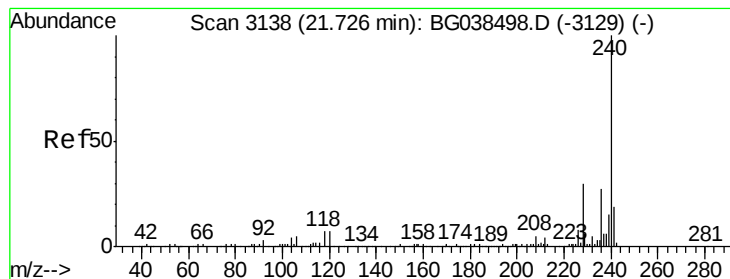
Tot Ion:188 Resp: 153379
 Ion Ratio Lower Upper
 188 100
 94 6.7 5.1 7.7
 80 6.8 6.1 9.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.303 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038645.D
 Acq: 16 Dec 2018 18:04

Tgt Ion:248 Resp: 8061
 Ion Ratio Lower Upper
 248 100
 250 203.8 73.4 110.2#
 141 438.9 52.9 79.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.72 min Scan# 3171

Delta R.T. -0.01 min

Lab File: BG038645.D

Acq: 16 Dec 2018 18:04

Instrument :

BNA_G

ClientSampleId :

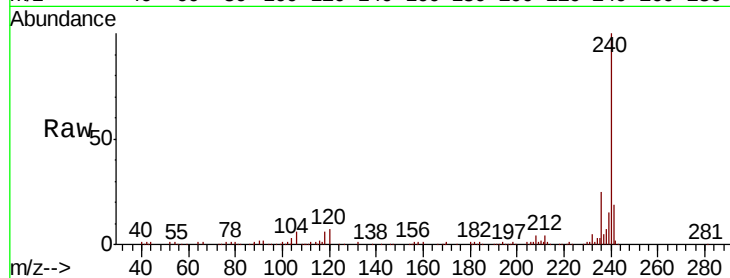
Tot Ion:240 Resp: 156851

Ion Ratio Lower Upper

240 100

120 7.5 5.3 7.9

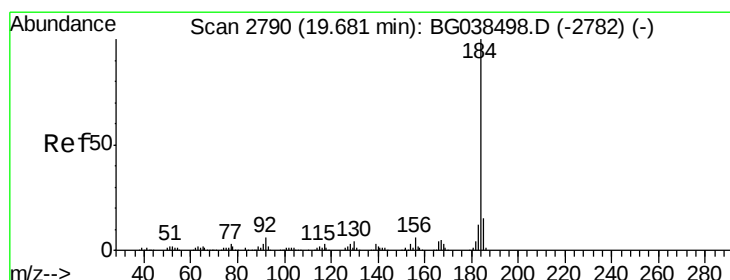
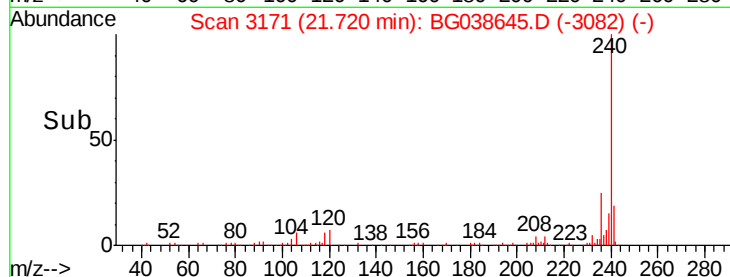
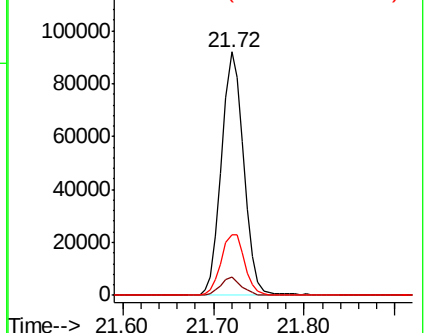
236 25.1 21.4 32.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 2.593 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038645.D

Acq: 16 Dec 2018 18:04

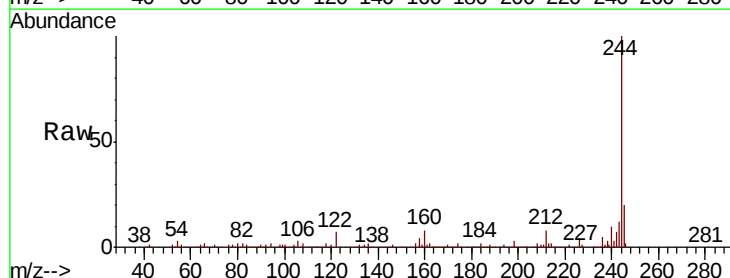
Tgt Ion:184 Resp: 12028

Ion Ratio Lower Upper

184 100

185 15.7 12.2 18.2

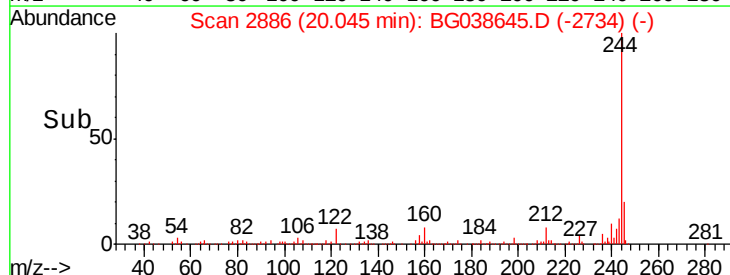
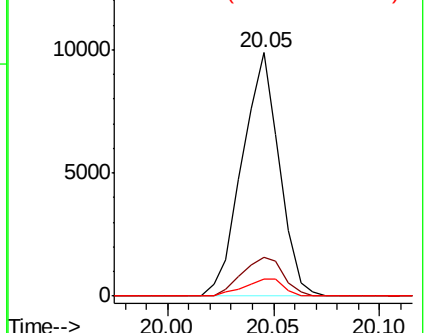
183 7.2 9.6 14.4#

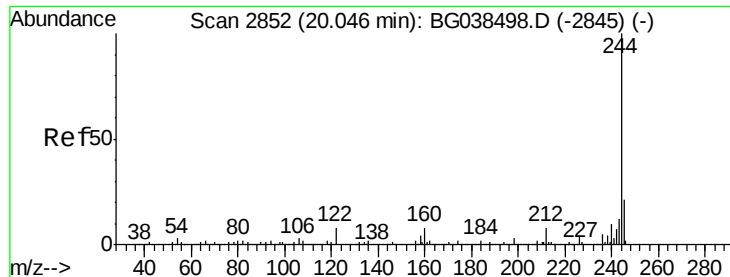


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 90.014 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038645.D

Acq: 16 Dec 2018 18:04

Instrument :

BNA_G

ClientSampleId :

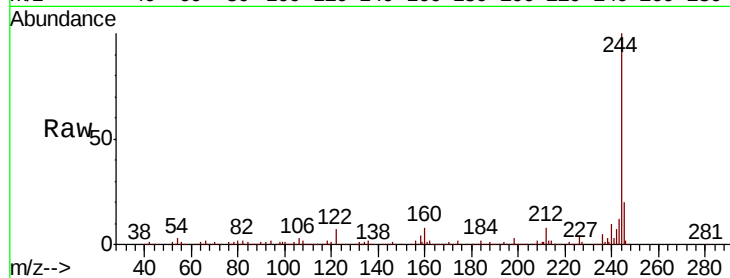
Tot Ion:244 Resp: 648744

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

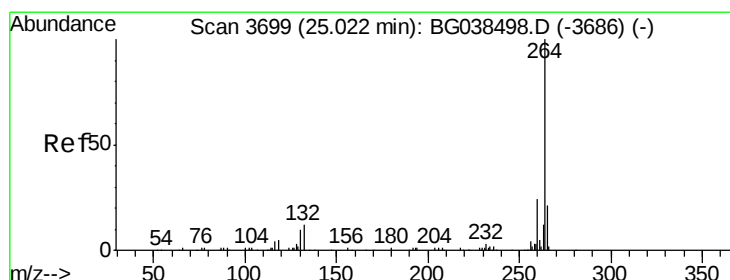
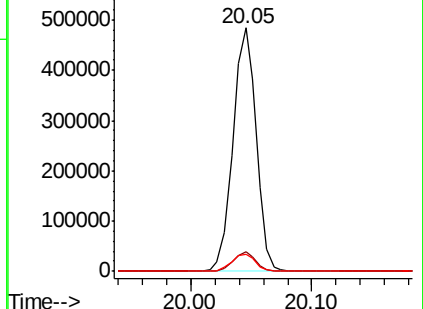
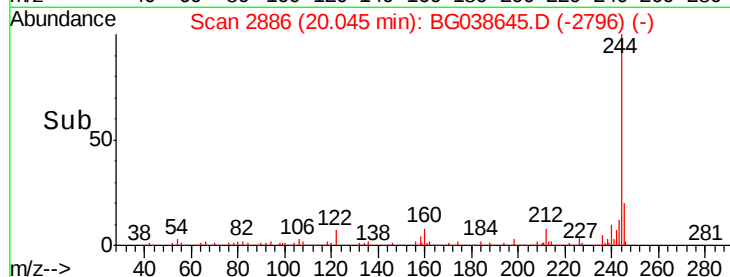
122 7.0 6.3 9.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3733

Delta R.T. -0.00 min

Lab File: BG038645.D

Acq: 16 Dec 2018 18:04

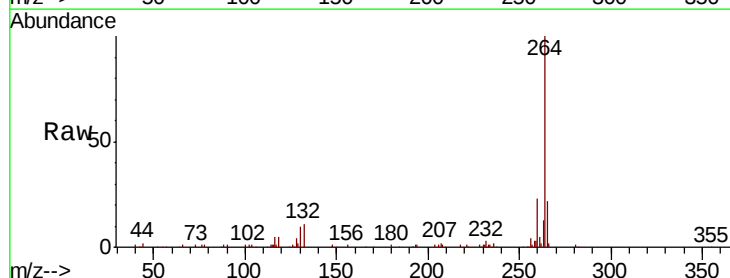
Tgt Ion:264 Resp: 166032

Ion Ratio Lower Upper

264 100

260 23.1 18.9 28.3

265 21.9 17.0 25.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

